

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of connecting a mobile, electronic control and/or monitoring unit (9) to at least one machine or at least one machine component in a group or a plurality of machines (2) or machine components to be controlled and/or monitored. During a connection or log-on procedure between the control and/or monitoring unit (9) and a co-operating distant point on the respective machine (2), a clear link or log-on connection is set up either by means of interfaces (14, 15) to the selected, wireless direction-finder of the co-operating distant point or alternatively by means of transmitters and/or receivers (16, 17) tuned to a restricted, localised functional or operating range (21). Once the connection has been acknowledged and established, the programmed control and/or monitoring of the machine (2) or the machine component is managed via another, standard data transmission means (22), for example a hard-wired network and/or via a wireless link between the control and/or monitoring unit (9) and the selected machine (2). Also proposed is a control and/or monitoring unit (9) for implementing this method.

Use FIG. 2 for abstract

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|-----|--------------------------------|-----|-------------------------------|
| 1.  | Automation system              | 21. | Functional or operating range |
| 2.  | Machine                        | 22. | Data transmission means       |
| 3.  | Robot                          | 23. | Production line               |
| 4.  | Product                        | 24. | Converter                     |
| 5.  | Control unit                   | 25. | Transmitting antenna          |
| 6.  | Lead                           | 26. | Receiving antenna             |
| 7.  | Bus system                     | 27. | Capacitance sensor            |
| 8.  | Network                        | 28. | Contact pin                   |
| 9.  | Control and/or monitoring unit | 29. | Counter-contact               |
| 10. | Hand terminal                  | 30. | Indicator lamp                |
| 11. | Display                        | 31. | Code                          |
| 12. | Input device                   |     |                               |
| 13. | Socket connector               |     |                               |
| 14. | Interface                      |     |                               |
| 15. | Interface                      |     |                               |
| 16. | Transmitter and/or receiver    |     |                               |
| 17. | Transmitter and/or receiver    |     |                               |
| 18. | Transmission channel           |     |                               |
| 19. | Transmitter                    |     |                               |
| 20. | Receiver                       |     |                               |